



Fiscal Year 2017 Detailed Implementation Plan November 2016

Background

The North Carolina Community Conservation Assistance Program (CCAP) was authorized through Session Law 2006-78, and became effective on July 10, 2006. CCAP is implemented in accordance with the rules as published 02 NCAC 59H. The purpose of CCAP is to reduce the delivery of nonpoint source (NPS) pollution into the waters of the State by installing best management practices (BMPs) on developed lands not directly involved in agricultural production. Through this voluntary, incentive-based conservation program, interested parties are provided educational, technical and financial assistance. District personnel provides educational resources to the general public, municipalities, and other cooperators regarding the effects CCAP practices can have on water quality.

CCAP is administered by the North Carolina Soil and Water Conservation Commission and implemented through local soil and water conservation districts. The commission meets with stakeholders to gather input on CCAP's development and administration through the CCAP Advisory Committee. CCAP annually receives \$136,937 in appropriations and support for one position in the Division of Soil and Water Conservation.

Last fiscal year, the Commission proposed revisions to the existing CCAP Definition Rule (02 NCAC 59H .0102) and Allocation Guidelines and Procedures Rule (02 NCAC 59H .0103). The Commission developed these changes to improve program efficiency, district delivery and water quality improvements made by this program. These rules were approved and became effective on November 1, 2016. The revisions allow the Commission to specify in this document, the CCAP annual Detailed Implementation Plan, the proportion of available funds to allocate for cost share payments, technical and administrative assistance, and education and outreach purposes and the proportion of those funds to be allocated to district, statewide, and regional allocations pools. This is particularly important given the limited amount of recurring funding currently available in this program. This Detailed Implementation Plan follows this new format. The allocation process is depicted in figures 1 and 2.

Figure 1: Soil and Water Conservation Commission CCAP allocation process

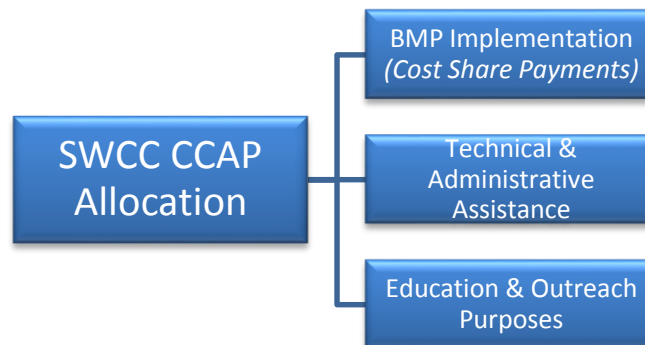
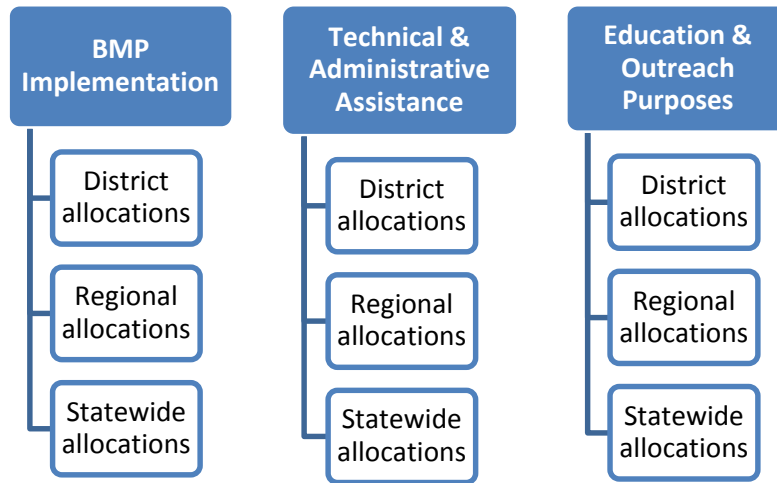
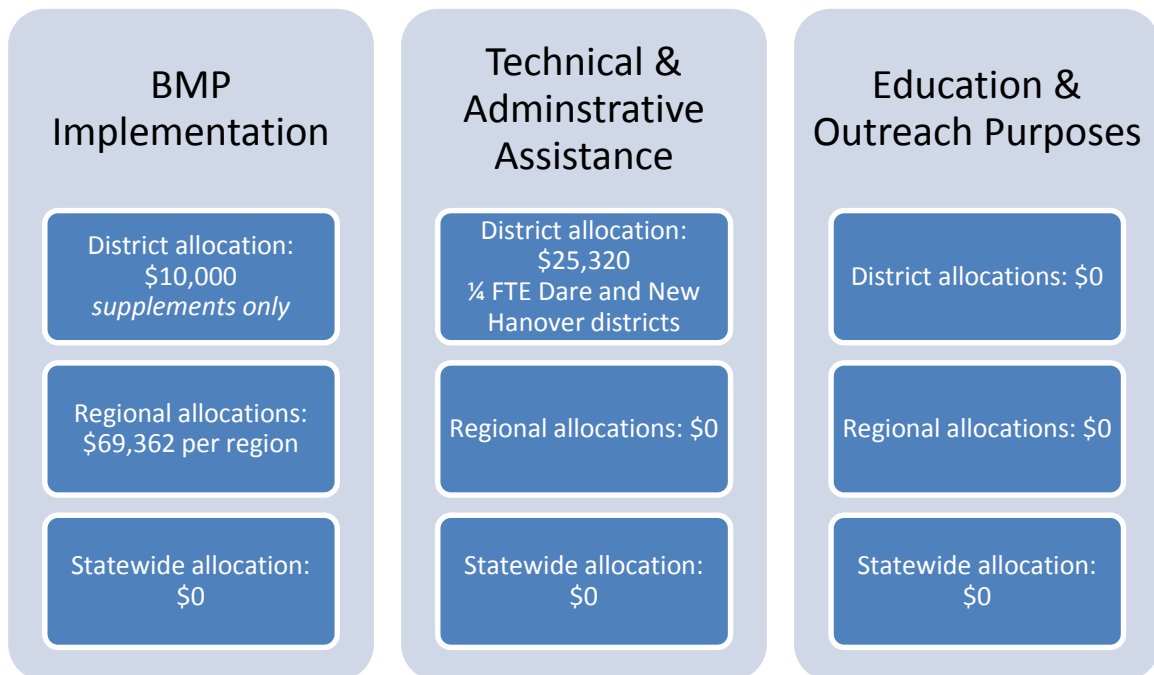


Figure 2: Soil and Water Conservation Commission CCAP allocation process for different funding pools



Fiscal Year 2017 Allocation Strategy

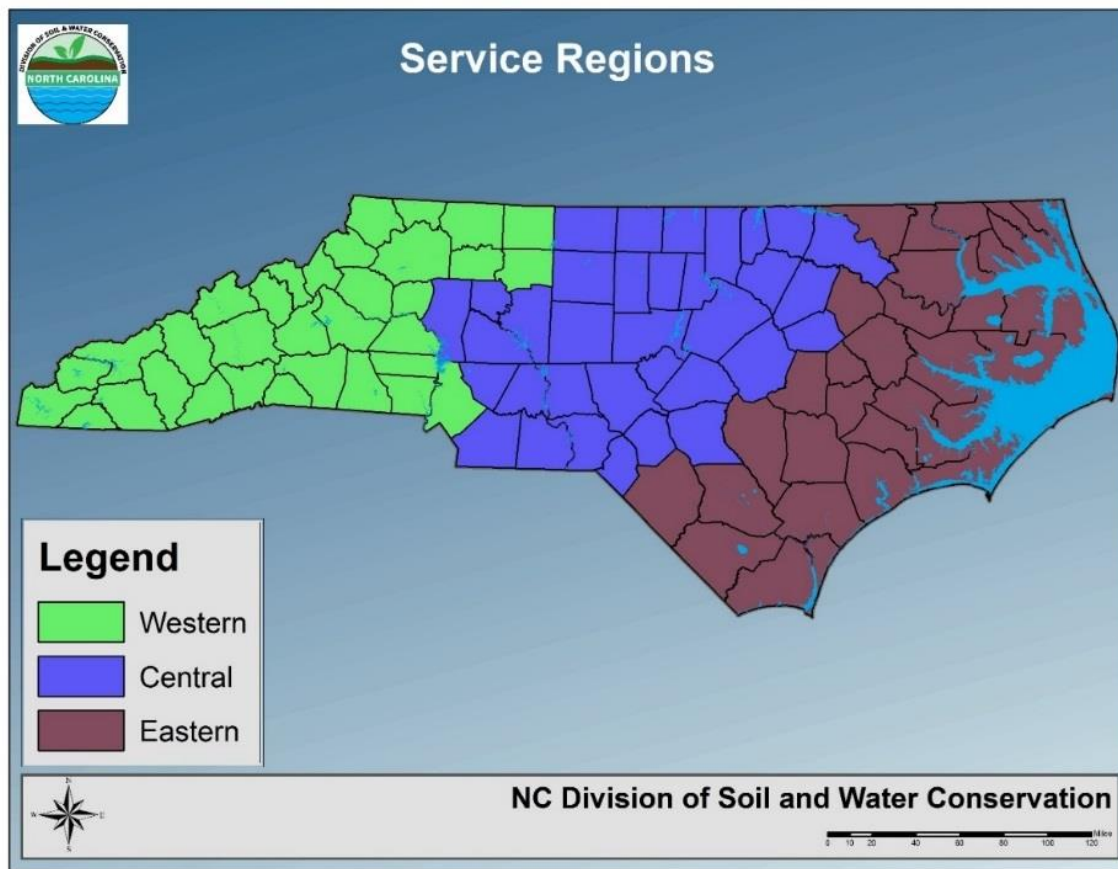
Figure 3: Proposed Soil and Water Conservation Commission FY2017 CCAP Allocation Strategy



The Commission will allocate \$10,000 to requesting districts specifically for supplements for current active contracts. Funds will be allocated to districts on a first come, first serve basis until all funds allocated for 2017 supplemental agreements to districts are exhausted.

The Commission will allocate remaining BMP funding, including this year's appropriation and remaining funding from previous fiscal years from completed or cancelled contracts through a competitive regional application process for any of the approved 2017 CCAP conservation practices. Each of the Division of Soil and Water Conservation's (DSWC) three regions, as depicted in figure 4, will receive an equal allocation. Applications will be approved using the same ranking criteria for each region. Should a region not have sufficient applications to fund, the Commission will allocate the remaining funds by approving applications in other regions, funding applications by highest score. The maximum CCAP cost share for an application will be limited to a \$15,000, so that at least four applications can be approved in each region.

Figure 4: Division of Soil and Water Conservation Service Regions for CCAP allocations



Fiscal Year 2017 Annual Goals

- I. Conduct a competitive regional allocation process for CCAP BMPs.
 - a. Fund projects in each of the division's regions: western, central and eastern.
 - b. Distribute funding for BMPs consistent with the ranking form with those of the highest ranking in each region receiving allocations until depleted.
- II. Allocate funds to soil and water conservation districts for supplementing existing CCAP contracts to enable their successful completion.

- III. Continue to implement the program
 - a. Maintain the [CCAP website](#) with all relevant information.
 - b. Maintain the job approval database.
 - c. Implement CCAP education and outreach efforts

Best Management Practices

Additional practices may be adopted by the Soil and Water Conservation Commission and introduced during the program year. Sites must have been developed for three years or more to be eligible for cost share assistance, and must be released from sedimentation erosion control permits. Unless otherwise specified, the minimum life of all practices is 10 years. For single-family home sites, the minimum life of all practices is five years because these properties change owners more frequently.

- (1) Abandoned well closure is the sealing and permanent closure of a supply well no longer in use. This practice serves to prevent entry of contaminated surface water, animals, debris or other foreign substances into the well. It also serves to eliminate the physical hazards of an open hole to people, animals and machinery.
- (2) Bioretention area is the use of plants and soils for removal of pollutants from stormwater runoff. Bioretention can also be effective in reducing peak runoff rates, runoff volumes and recharging groundwater by infiltrating runoff. Bioretention areas are intended to treat impervious surface areas of greater than 2500 ft².
- (3) A backyard rain garden is a shallow depression in the ground that captures runoff from a driveway, roof, or lawn and allows it to soak into the ground, rather than running across roads, capturing pollutants and delivering them to a stream. Backyard rain gardens are intended to treat impervious surface areas of less than 2500 ft².
- (4) A stormwater wetland is a constructed system that mimics the functions of natural wetlands and is designed to mitigate the impacts of stormwater quality and quantity. Stormwater wetlands are intended to treat impervious surface areas of greater than 2500 ft².
- (5) A backyard wetland is a constructed system that mimics the functions of natural wetlands. They can temporarily store, filter and clean runoff from driveways, roofs and lawns, and thereby improve water quality. Backyard wetlands are intended to treat impervious surface areas of less than 2500 ft².
- (6) A cistern is an above or below ground storage tanks for rainwater harvesting systems used to collect, store and reuse rainwater. They are intended to reduce stormwater runoff, encourage runoff infiltration and conserve water.
- (7) A critical area planting means an area of highly erodible land that cannot be stabilized by ordinary conservation treatment on which permanent perennial vegetative cover is established and protected to improve water quality.
- (8) A diversion means a channel constructed across a slope with a supporting ridge on the lower side to control drainage by diverting excess water from an area to improve water quality.
- (9) A grassed swale is a natural or constructed channel that is shaped or graded to required dimensions and established in suitable vegetation for the stable conveyance of runoff to improve water quality.

- (10) Impervious surface conversion is the removal of impenetrable materials such as asphalt, concrete, brick and stone. These materials seal surfaces, repel water and prevent precipitation from infiltrating soils. Removal of these impervious materials, when combined with permeable pavement or vegetation establishment, is intended to reduce stormwater runoff rate and volume, as well as associated pollutants transported from the site by stormwater runoff.
- (11) Permeable pavement is an alternative to conventional concrete and asphalt paving materials that allows rapid infiltration of stormwater. Stormwater infiltrates into a porous material that provides temporary storage until the water infiltrates into underlying permeable soils or through an underground drain system.
- (12) A pet waste receptacle is a receptacle designed to encourage pet owners to pick up after animals in parks, neighborhoods and apartment complexes so as to prevent waste from being transported off-site by stormwater runoff.
- (13) A riparian buffer is an area adjacent to a stream where a permanent, long-lived vegetative cover (grass, shrubs, trees or a combination of vegetation types) is established to improve water quality.
- (14) A stream restoration system is the use of bioengineering practices, native material revetments, channel stability structures and/or the restoration or management of riparian corridors to restore the natural function of the stream corridor and improve water quality by reducing sedimentation to streams from streambanks.
- (15) Streambank and shoreline protection is the use of vegetation to stabilize and protect banks of streams, lakes, estuaries or excavated channels against scour and erosion.
- (16) Marsh sills protect estuarine shorelines from erosion, combining engineered structures with natural vegetation to maintain, restore, or enhance the shoreline's natural habitats. A sill is a coast-parallel, long or short structure built with the objective of reducing the wave action on the shoreline by forcing wave breaking over the sill. Sills are used to provide protection for existing coastal marshes, or to retain sandy fill between the sill and the eroding shoreline, to establish suitable elevations for the restoration or establishment of coastal marsh and/or riparian vegetation.
- (17) A structural stormwater conveyance includes various techniques to divert runoff from paved surfaces where a vegetated diversion is not feasible. The purpose is to direct stormwater runoff (sheet flow or concentrated) away from a direct discharge point and divert it to an approved BMP or naturally vegetated area capable of removing nutrients through detention, filtration, or infiltration.